

Message

From: Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]
Sent: 8/29/2016 5:17:25 PM
To: DeWitt, Jamie [DEWITTJ@ecu.edu]
Subject: RE: Dewitt 363
Attachments: ABL review of Dewitt manuscript 8-29-16.pdf

As the other two papers use the full name let's do so to keep it consistent.
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-propanoate

Let's just be sure in the M&M we have the proper CAS #13252-13-6

Second find attached Andy Lindstrom's review of the paper. He signed the technical manuscript review form acceptable as is. I gave them a quick look. Many simply seem his notes as he read the paper and don't require a response. In particular the comments on page 18 in the conclusions I do not agree with. I would say based on our work that relative to PFOA GenX is a less toxic alternative.

It was done in pencil so I tried to scan in a darker setting. Let me know what you do with his and Andy's comments. I will just have to give the revised manuscript to pass on.

Mark

From: DeWitt, Jamie [mailto:DEWITTJ@ecu.edu]
Sent: Monday, August 29, 2016 9:47 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: Dewitt 363

I will update the Intro/Discussion to include this paper. I didn't see it when I was doing lit review. Probably because of the stupid naming issue!

What do you think that I should call the abbreviated name of the compound in the paper? Just tell me.

From: Strynar, Mark [mailto:Strynar.Mark@epa.gov]
Sent: Monday, August 29, 2016 9:27 AM
To: DeWitt, Jamie <DEWITTJ@ecu.edu>
Subject: RE: Dewitt 363

Jamie,

I recently came across this paper concerning the toxicology of the GenX in the rat. We should likely add it.

Evaluation of chronic toxicity and carcinogenicity of ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-propanoate in Sprague-Dawley rats J.M. Caverly Rae, Lisa Craig, Theodore W. Slone, Steven R. Frame, L. William Buxton, Gerald L. Kennedy
journal ISSN : 2214-7500

Second, on the naming of the compound.

Both of the Gannon and Rae papers call the compound ammonium 2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propanoic acid. In the ammonium salt form it is CAS 62037-80-6 and in the free acid form it is CAS 13252-13-6 (U2M3OHexane). We bought it in the free acid form (<http://www.synquestlabs.com/product/id/18551.html>)

Wellington calls it HFPO-DA (tetrafluoro-2-(heptafluoropropoxy) propanoic acid.
http://www.well-labs.com/docs/adona_and_f53b_15aug2016_wellington_reporter.pdf

Mark

From: DeWitt, Jamie [<mailto:DEWITTJ@ecu.edu>]
Sent: Monday, August 29, 2016 9:04 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: Dewitt 363

Hi Mark,

In case Seth is interested:

- I made all of his suggested edits to the manuscript. I changed U2M3-OHxA to just U2M3. I'm not comfortable using the trade name throughout the paper, so wanted to keep it generic.
- I fixed the huge typo regarding dosing! Very good catch on that. It's listed properly in all of our protocols; I just must have spaced when putting together the paper.
- Regarding significant digits on the figures – it is standard/allowable to add one additional significant figure to a mean value. For example, we weighed to the 10th, so it is acceptable to report a mean to the 100th. I did reduce sig. figs. on the peroxisome proliferation figure and the serum/urine figures, but kept them at two for the other figures.
- It is standard to report log₂ values for serum titers; for an explanation, I would refer Seth to the methods detailing that procedure. Here's that section of the methods: IgM anti-body titers were processed using SOFTmax Pro software (Molecular Devices, LLC, Sunnyvale, CA) to determine the log₂ serum titers for an optical density of 0.5 U from the log-log curve of optical density versus dilution, as described by Temple et al. (1995).
- I kept serum and urine concentrations at ng/mL to remain consistent with reports of PFASs in human serum.

As soon as we get the other reviewer's comments back and I make the suggested changes, this baby will get submitted!

Jamie

From: Strynar, Mark [<mailto:Strynar.Mark@epa.gov>]
Sent: Thursday, August 25, 2016 8:27 AM
To: DeWitt, Jamie <DEWITTJ@ecu.edu>
Subject: FW: Dewitt 363

Jamie,

Here is the first of the internal reviews of the manuscript. I am awaiting Andy's comments.

Mark

From: Newton, Seth
Sent: Thursday, August 25, 2016 7:11 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: Dewitt 363

Mark,

Attached are my signed 363, comments on the manuscript, and a few comments on the figures. Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Cheers,
Seth

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ORD/NERL/CED/HEDM
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